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TIEG2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6625a

Specification

TIEG2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O14901

TIEG2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 8462

Other Names
Krueppel-like factor 11, Transforming growth factor-beta-inducible early growth response protein 2, TGFB-inducible early growth response protein 2, TIEG-2, KLF11, FKLF, TIEG2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6625a was selected from the N-term region of human TIEG2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TIEG2 Antibody (N-term) Blocking Peptide - Protein Information

Name KLF11

Synonyms FKLF, TIEG2

Function
Transcription factor (PubMed:9748269, PubMed:10207080). Activates the epsilon- and gamma-globin gene promoters and, to a much lower degree, the beta-globin gene and represses promoters containing SP1-like binding inhibiting cell growth (PubMed:9748269, PubMed:10207080, PubMed:16131492). Represses transcription of SMAD7 which enhances TGF-beta signaling (By similarity). Induces apoptosis (By similarity).

Cellular Location
Nucleus.

Tissue Location
Ubiquitous. Higher expression in erythroid cells.

TIEG2 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

TIEG2 Antibody (N-term) Blocking Peptide - Images

TIEG2 Antibody (N-term) Blocking Peptide - Background

TIEG2 is a transcription factor. The protein activates the epsilon- and gamma-globin gene promoters and, to a much lower degree, the beta-globin gene and represses promoters containing SP1-like binding inhibiting cell growth. It represses transcription of SMAD7 which enhances TGF-beta signaling. It induces apoptosis.

TIEG2 Antibody (N-term) Blocking Peptide - References

Kuroda,E., Endocr. J. 56 (2), 275-286 (2009)Ma,L., J. Clin. Endocrinol. Metab. 93 (9), 3644-3649 (2008)